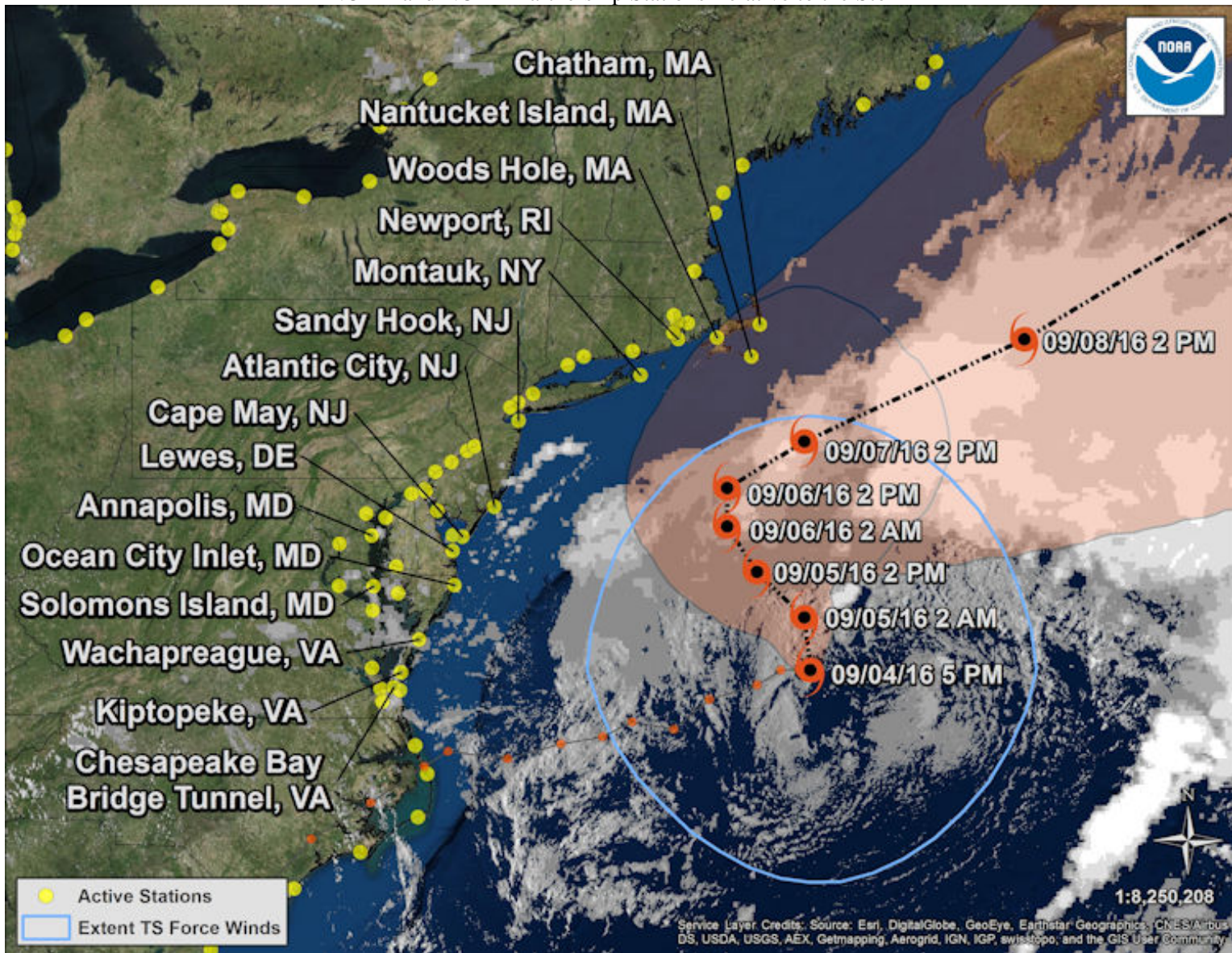




Post-tropical Storm HERMINE QuickLook Posted: 18:00 AST 09/04/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/04/2016 18:00 AST, water levels continue to be elevated along the Mid-Atlantic coast due to Hermine. Water levels within Chesapeake Bay are rising and are 1.5 ft above tidal predictions. Along the Atlantic Seaboard from Virginia to New Jersey, water levels range from 1.0 to 1.8 feet above tidal predictions. Water levels along the New York to Massachusetts coasts are slightly elevated by less than 1 foot above normal tide levels.

Winds have decreased while Hermine remains offshore and range from 10 to 20 knots with gusts to 25 knots. Barometric pressure has returned to normal at locations from Virginia to New Jersey and remains steady from New York north.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

POST-TROPICAL CYCLONE HERMINE ADVISORY NUMBER 30
NWS NATIONAL HURRICANE CENTER MIAMI FL AL092016
500 PM AST SUN SEP 04 2016

...TROPICAL STORM WARNING ISSUED FOR PORTIONS OF SOUTHEASTERN NEW ENGLAND...

SUMMARY OF 500 PM AST...2100 UTC...INFORMATION

LOCATION...37.2N 69.1W
ABOUT 310 MI...495 KM SSE OF THE EASTERN TIP OF LONG ISLAND
ABOUT 335 MI...540 KM E OF OCEAN CITY MARYLAND
MAXIMUM SUSTAINED WINDS...70 MPH...110 KM/H
PRESENT MOVEMENT...ENE OR 70 DEGREES AT 5 MPH...7 KM/H
MINIMUM CENTRAL PRESSURE...999 MB...29.50 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Tropical Storm Warning has been issued from Watch Hill, Rhode Island eastward to Sagamore Beach, Massachusetts including Block Island, Martha's Vineyard, and Nantucket.

The Tropical Storm Warning has been discontinued from Fenwic Island, Delaware southward, and also discontinued for Delaware Bay north of Slaughter Beach.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...
* North of Fenwick Island to Sagamore Beach
* Delaware Bay south of Slaughter Beach
* Block Island
* Martha's Vineyard
* Nantucket

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 500 PM AST (2100 UTC), the center of Post-Tropical Cyclone Hermine was located near latitude 37.2 North, longitude 69.1 West. The post-tropical cyclone is moving toward the east-northeast near 5 mph (7 km/h). A turn toward the north with a decrease in forward speed is expected later today, followed by a slow north-northwestward motion through Monday. On the forecast track, the center of Hermine will meander slowly offshore of the mid-Atlantic coast for the next couple of days.

Maximum sustained winds are near 70 mph (110 km/h) with higher gusts. Hermine should remain at or near hurricane strength for the next day or so, and begin to gradually weaken by Monday night.

Tropical-storm-force winds extend outward up to 230 miles (370 km) from the center.

The estimated minimum central pressure is 999 mb (29.50 inches).

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions will spread northward within the warning area along the Atlantic coast through Monday.

STORM SURGE: The combination of a storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. Along the immediate coastline, the surge will be accompanied by large and dangerous waves. There is a possibility of life-threatening inundation during the next 48 hours on the North Shore of Long Island east of Flushing and on the south shore of Long Island east of Rockaway Inlet.

For a depiction of areas at risk, please see the Prototype Storm Surge Watch/Warning graphic, which displays areas that would qualify for inclusion under a storm surge watch or warning currently under development by the National Weather Service and planned for operational use in 2017. The Prototype Graphic is available at www.hurricanes.gov/graphics_at4.shtml?wsurge.

The water could reach the following heights above ground if the peak surge occurs at the time of high tide...

Rehoboth Beach, DE to Montauk Point, NY including the North Shore of Long Island east of Flushing...1 to 3 feet

RAINFALL: Heavy rainfall associated with Hermine will remain mainly offshore through Wednesday. Rainfall totals of 1 to 2 inches are possible across far southeastern Massachusetts, including Cape Cod and the offshore islands.

SURF: Large waves generated by Hermine will affect the U.S. east coast from the mid-Atlantic states and expand northward along the coast of southern New England through Monday. These waves are likely to cause life-threatening surf and rip current conditions, and significant beach erosion. Please consult products from your local weather office.

NEXT ADVISORY

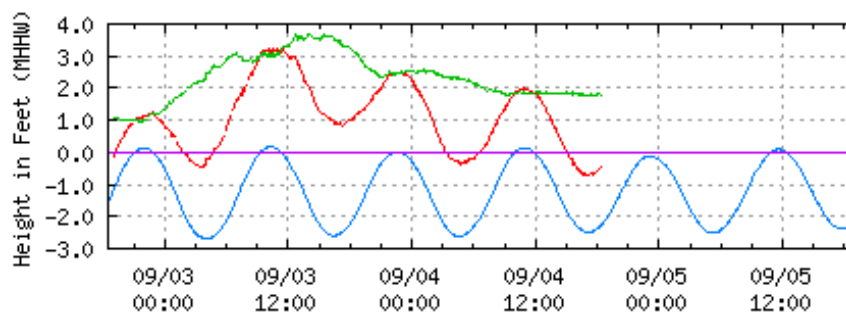
Next intermediate advisory at 800 PM AST.

Next complete advisory at 1100 PM AST.

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Kiptopeke - Water Level](#), [Kiptopeke - Winds](#), [Solomons Island - Water Level](#), [Annapolis - Water Level](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Lewes - Barometric](#), [Cape May - Water Level](#), [Cape May - Winds](#), [Cape May - Barometric](#), [Atlantic City - Water Level](#), [Atlantic City - Barometric](#), [Sandy Hook - Water Level](#), [Sandy Hook - Winds](#), [Sandy Hook - Barometric](#), [Montauk - Water Level](#), [Montauk - Barometric](#), [Newport - Water Level](#), [Newport - Winds](#), [Newport - Barometric](#), [Nantucket Island - Water Level](#), [Nantucket Island - Winds](#), [Nantucket Island - Barometric](#), [Woods Hole - Water Level](#), [Woods Hole - Barometric](#), [Chatham - Water Level](#)

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

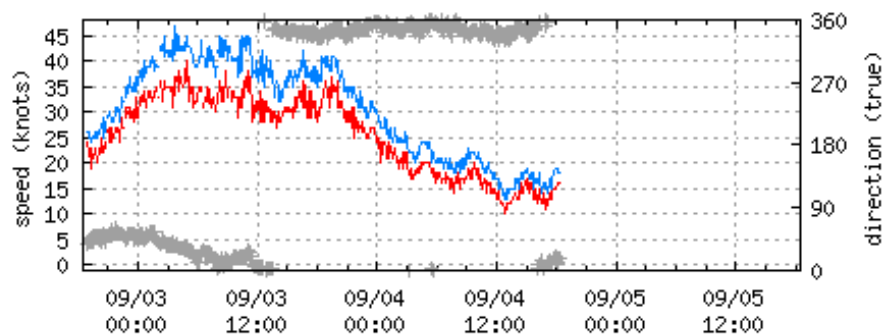
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW

Observed: -0.45 ft. Predicted: -2.25 ft. Residual: 1.80 ft.

Historical Maximum Water Level: Nov 12 2009, 4.66 ft.

Next High Tide: 09/04/2016 23:08 (EDT), -0.12 ft.

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA
Wind Speed / Gusts / Direction

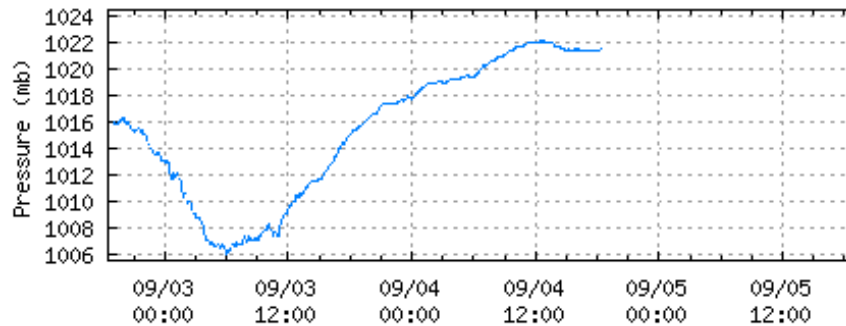


speed — gusts — direction +

Last Observed Sample: 09/04/2016 18:24 (EDT)

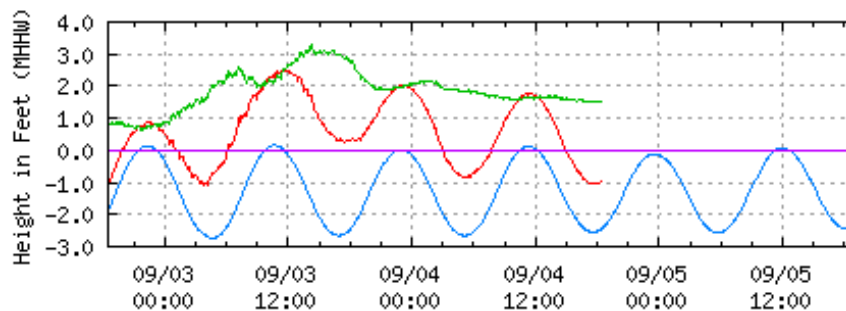
Wind Speed: 15 knots Gusts: 17 knots Direction: 13° T

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/04/2016 18:24 (EDT)
Barometric Pressure: 1021.6 mb

NOAA/NOS/CO-OPS 8632200 Kiptopeke, VA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

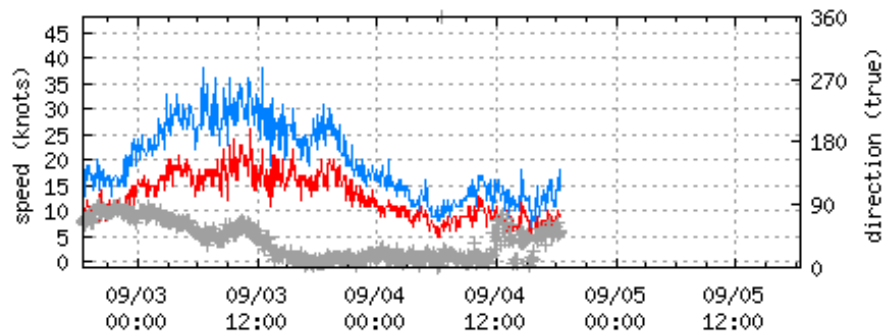
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW

Observed: -0.94 ft. Predicted: -2.45 ft. Residual: 1.51 ft.

Historical Maximum Water Level: Mar 8 1962, 4.13 ft.

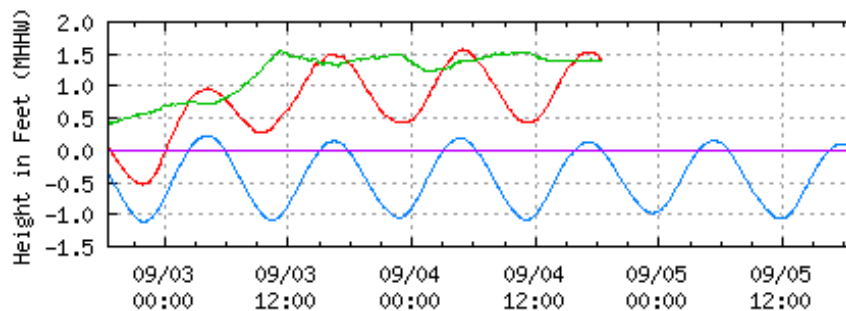
Next High Tide: 09/04/2016 23:32 (EDT), -0.11 ft.

NOAA/NOS/CO-OPS 8632200 Kiptopeke, VA
Wind Speed / Gusts / Direction



speed — gusts — direction +
Last Observed Sample: 09/04/2016 18:24 (EDT)
Wind Speed: 9 knots Gusts: 14 knots Direction: 49° T

NOAA/NOS/CO-OPS 8577330 Solomons Island, MD
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

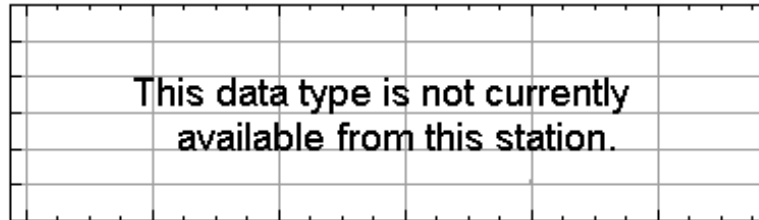
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW

Observed: 1.41 ft. Predicted: 0.01 ft. Residual: 1.40 ft.

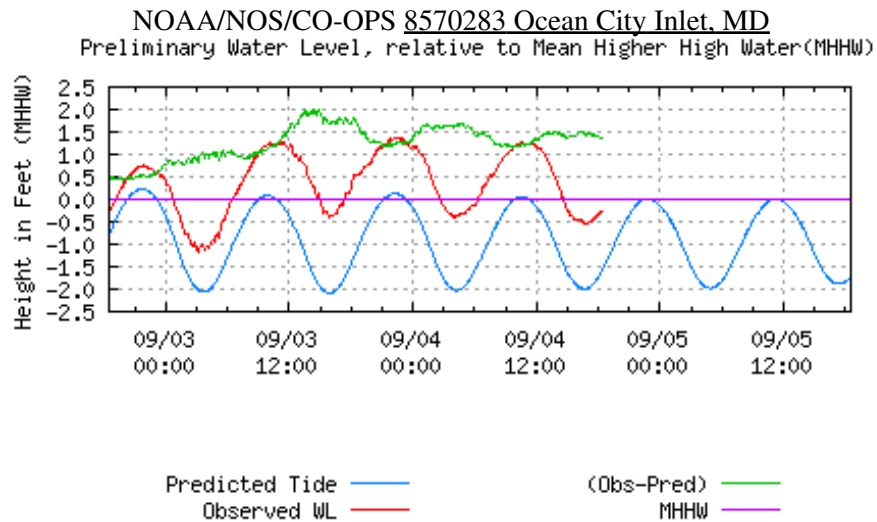
Historical Maximum Water Level: Sep 1 2006, 2.93 ft.

Next High Tide: 09/05/2016 05:20 (EDT), 0.15 ft.

NOAA/NOS/CO-OPS 8575512 Annapolis, MD
NOAA/NOS/CO-OPS

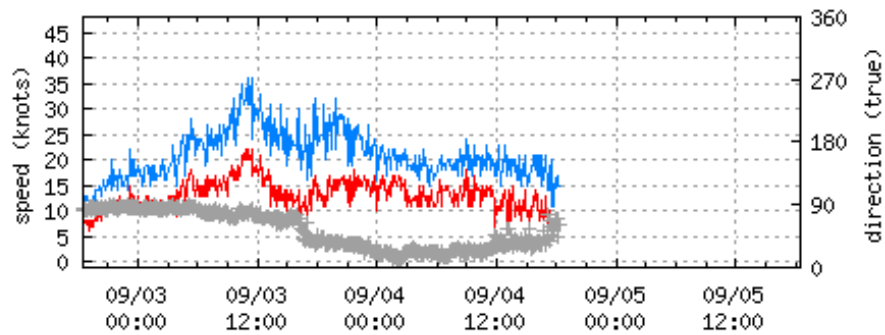


Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW
Observed: 1.10 ft. Predicted: -0.15 ft. Residual: 1.25 ft.
 Historical Maximum Water Level: Sep 19 2003, 5.73 ft.
 Next High Tide: 09/04/2016 20:22 (EDT), 0.09 ft.



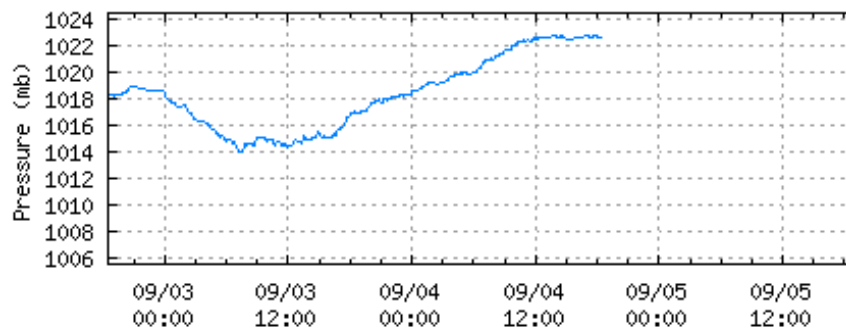
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW
Observed: -0.24 ft. Predicted: -1.56 ft. Residual: 1.32 ft.
 Historical Maximum Water Level: Feb 5 1998, 3.61 ft.
 Next High Tide: 09/04/2016 22:47 (EDT), 0.01 ft.

NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD
Wind Speed / Gusts / Direction



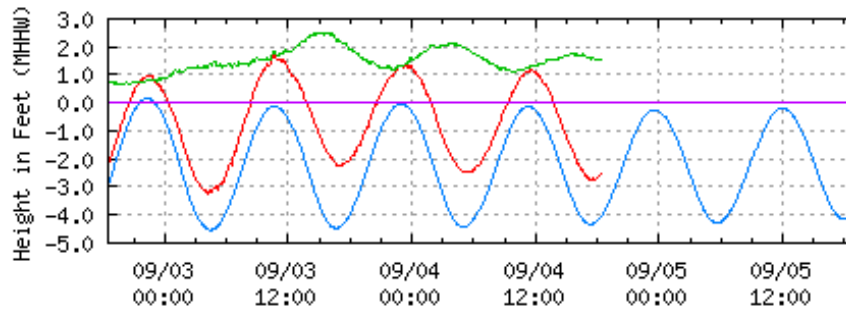
speed — gusts — direction +
Last Observed Sample: 09/04/2016 18:24 (EDT)
Wind Speed: 7 knots Gusts: 15 knots Direction: 49° T

NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/04/2016 18:24 (EDT)
Barometric Pressure: 1022.6 mb

NOAA/NOS/CO-OPS 8557380 Lewes, DE
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

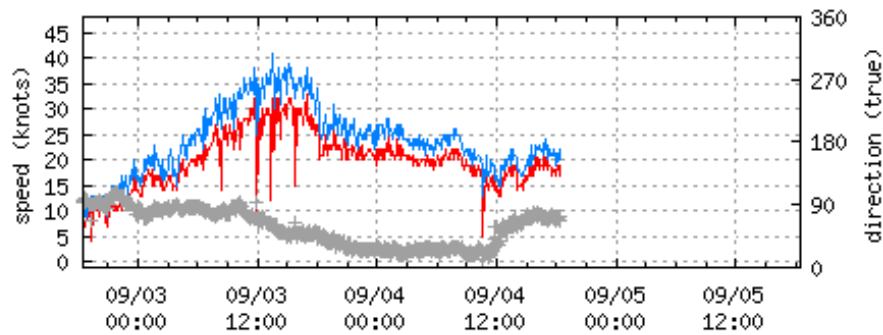
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW

Observed: -2.50 ft. Predicted: -4.02 ft. Residual: 1.52 ft.

Historical Maximum Water Level: Mar 6 1962, 4.57 ft.

Next High Tide: 09/04/2016 23:32 (EDT), -0.25 ft.

NOAA/NOS/CO-OPS 8557380 Lewes, DE
Wind Speed / Gusts / Direction

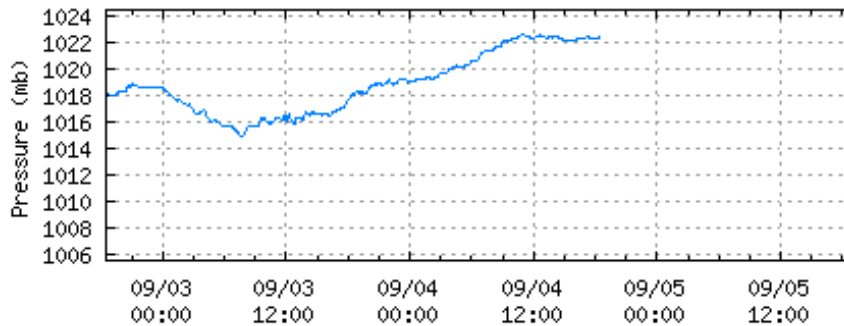


speed — gusts — direction +

Last Observed Sample: 09/04/2016 18:24 (EDT)

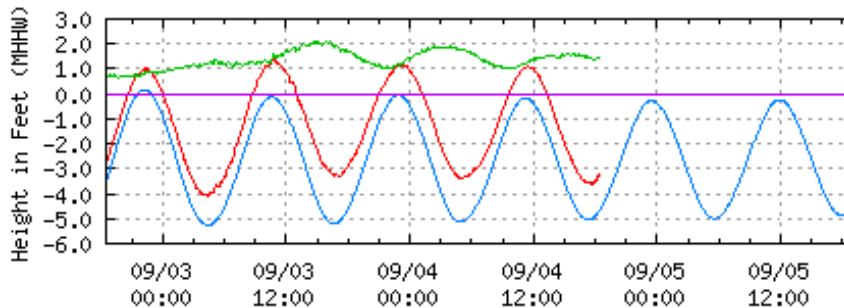
Wind Speed: 17 knots Gusts: 20 knots Direction: 67° T

NOAA/NOS/CO-OPS 8557380 Lewes, DE
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/04/2016 18:24 (EDT)
Barometric Pressure: 1022.5 mb

NOAA/NOS/CO-OPS 8536110 Cape May, NJ
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

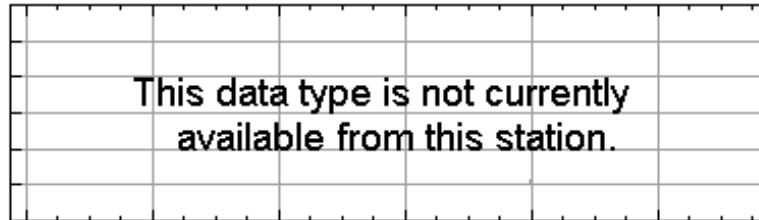
Last Observed Sample: 09/04/2016 18:30 (EDT). Data relative to MHHW

Observed: -3.24 ft. Predicted: -4.61 ft. Residual: 1.37 ft.

Historical Maximum Water Level: Oct 29 2012, 3.44 ft.

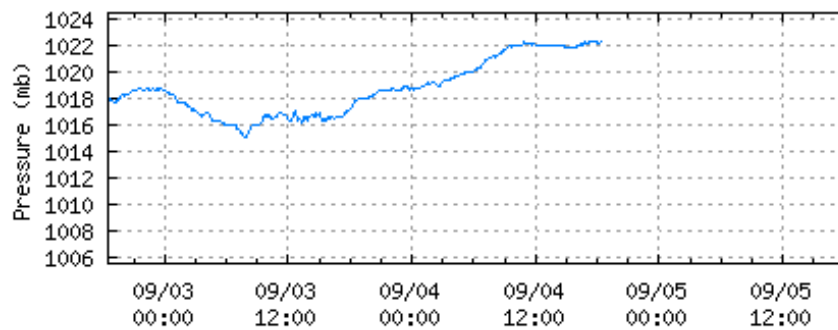
Next High Tide: 09/04/2016 23:27 (EDT), -0.29 ft.

NOAA/NOS/CO-OPS 8536110 Cape May, NJ
NOAA/NOS/CO-OPS



Last Observed Sample: 09/04/2016 18:30 (EDT)
Wind Speed: 8 knots Gusts: 17 knots Direction: 48° T

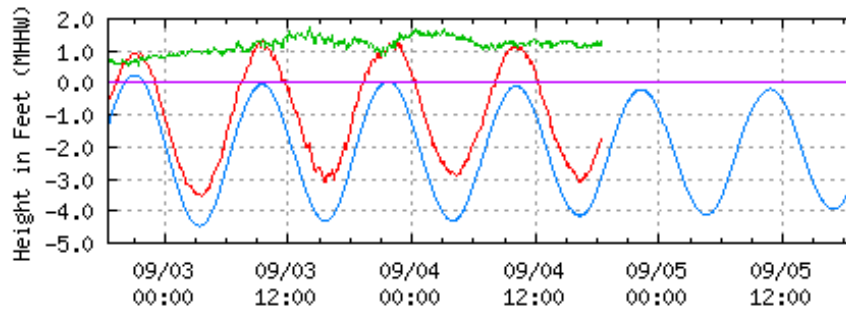
NOAA/NOS/CO-OPS 8536110 Cape May, NJ
Barometric Pressure



barometric pressure —

Last Observed Sample: 09/04/2016 18:30 (EDT)
Barometric Pressure: 1022.4 mb

NOAA/NOS/CO-OPS 8534720 Atlantic City, NJ
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

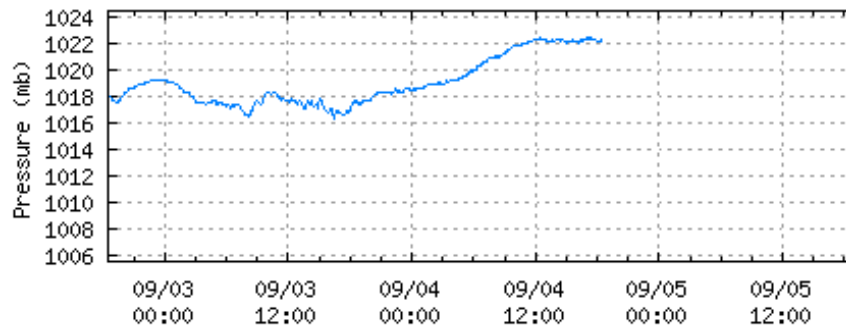
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW

Observed: -1.75 ft. Predicted: -2.95 ft. Residual: 1.20 ft.

Historical Maximum Water Level: Dec 11 1992, 4.38 ft.

Next High Tide: 09/04/2016 22:17 (EDT), -0.20 ft.

NOAA/NOS/CO-OPS 8534720 Atlantic City, NJ
Barometric Pressure

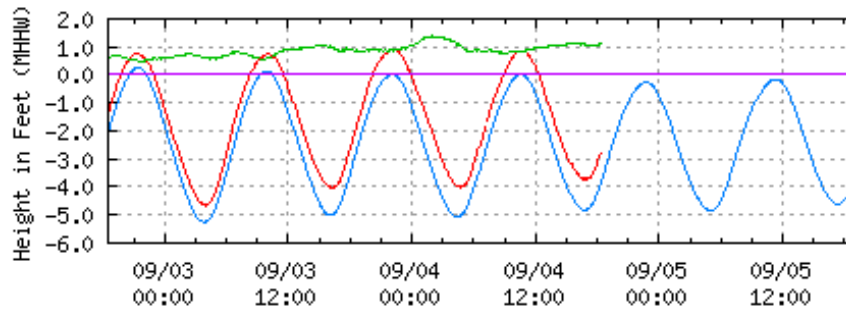


barometric pressure —

Last Observed Sample: 09/04/2016 18:24 (EDT)

Barometric Pressure: 1022.3 mb

NOAA/NOS/CO-OPS 8531680 Sandy Hook, NJ
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

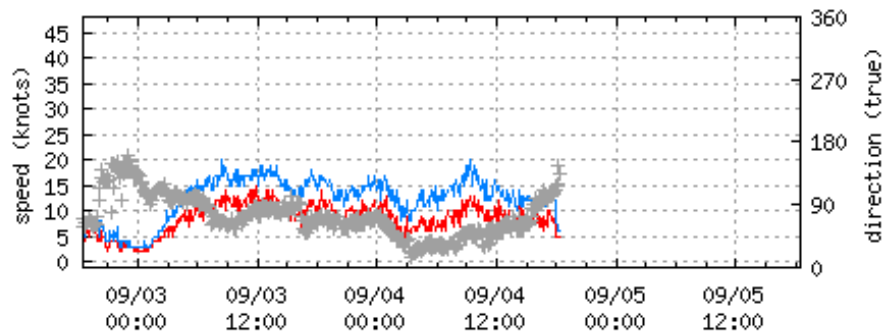
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW

Observed: -2.66 ft. Predicted: -3.78 ft. Residual: 1.12 ft.

Historical Maximum Water Level: Sep 12 1960, 4.86 ft.

Next High Tide: 09/04/2016 22:44 (EDT), -0.26 ft.

NOAA/NOS/CO-OPS 8531680 Sandy Hook, NJ
Wind Speed / Gusts / Direction

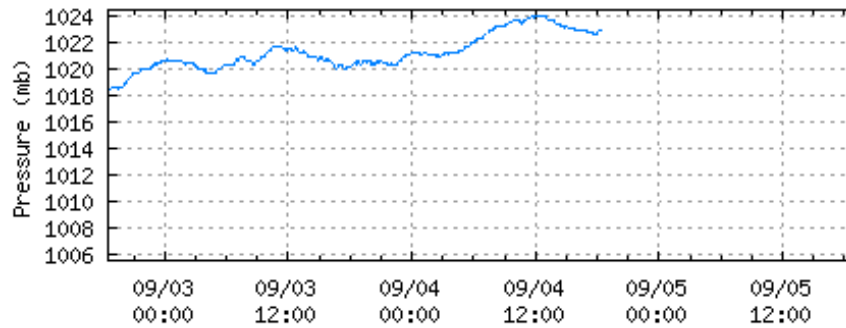


speed — gusts — direction +

Last Observed Sample: 09/04/2016 18:24 (EDT)

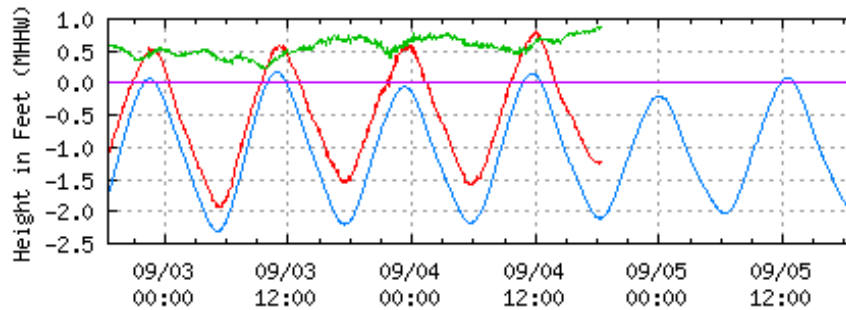
Wind Speed: 4 knots Gusts: 6 knots Direction: 154° T

NOAA/NOS/CO-OPS 8531680 Sandy Hook, NJ
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/04/2016 18:24 (EDT)
Barometric Pressure: 1022.9 mb

NOAA/NOS/CO-OPS 8510560 Montauk, NY
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

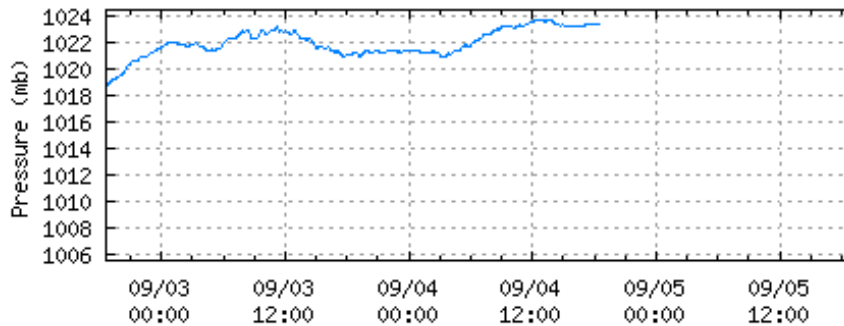
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW

Observed: -1.23 ft. Predicted: -2.10 ft. Residual: 0.87 ft.

Historical Maximum Water Level: Aug 31 1954, 5.91 ft.

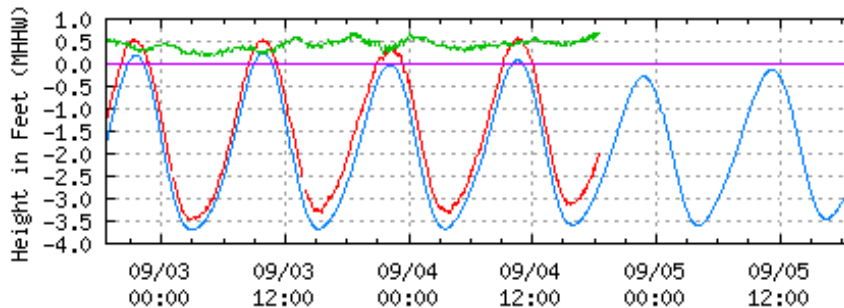
Next High Tide: 09/05/2016 00:01 (EDT), -0.20 ft.

NOAA/NOS/CO-OPS 8510560 Montauk, NY
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/04/2016 18:24 (EDT)
Barometric Pressure: 1023.4 mb

NOAA/NOS/CO-OPS 8452660 Newport, RI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/04/2016 18:30 (EDT). Data relative to MHHW

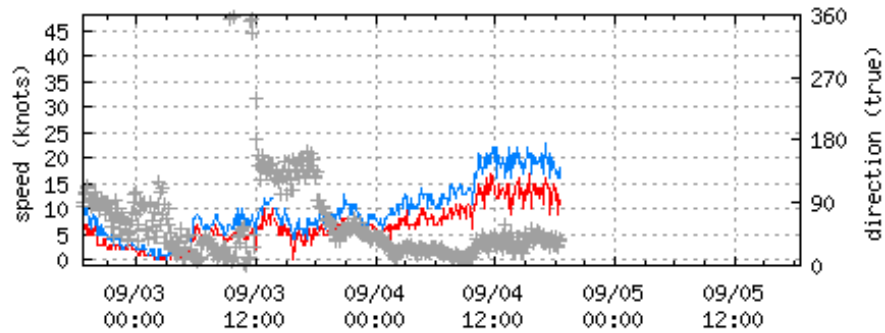
Observed: -2.00 ft. Predicted: -2.69 ft. Residual: 0.69 ft.

Historical Maximum Water Level: Sep 21 1938, 9.46 ft.

Next High Tide: 09/04/2016 22:48 (EDT), -0.27 ft.

NOAA/NOS/CO-OPS 8452660 Newport, RI

Wind Speed / Gusts / Direction



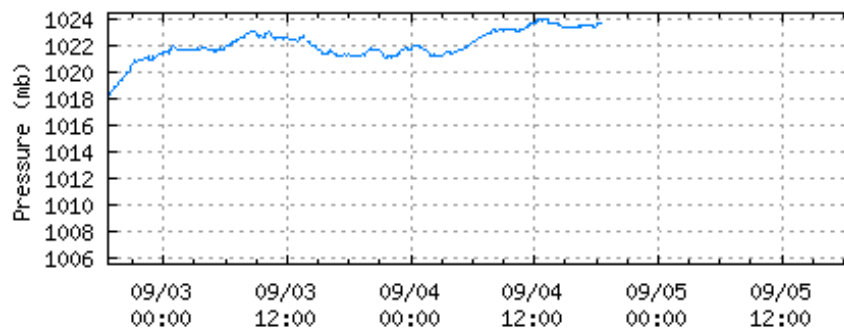
speed — gusts — direction +

Last Observed Sample: 09/04/2016 18:30 (EDT)

Wind Speed: 11 knots Gusts: 16 knots Direction: 37° T

NOAA/NOS/CO-OPS 8452660 Newport, RI

Barometric Pressure

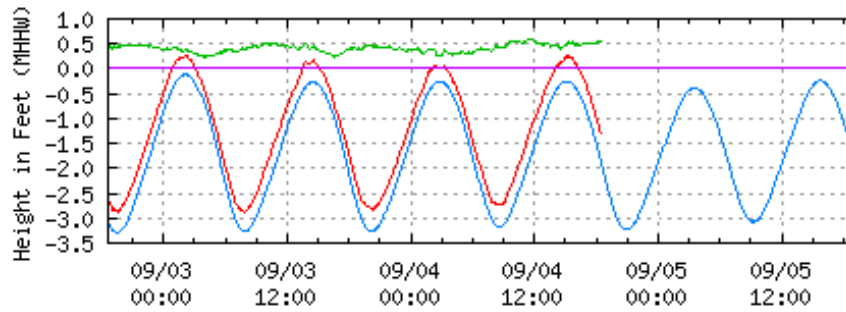


barometric pressure —

Last Observed Sample: 09/04/2016 18:30 (EDT)

Barometric Pressure: 1023.7 mb

NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

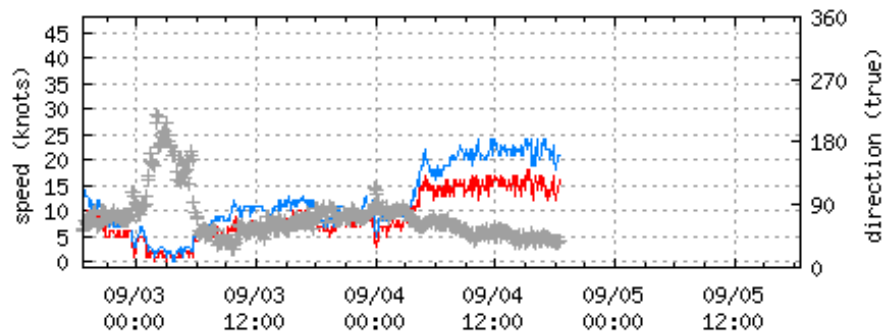
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW

Observed: -1.29 ft. Predicted: -1.86 ft. Residual: 0.57 ft.

Historical Maximum Water Level: Oct 30 1991, 4.29 ft.

Next High Tide: 09/05/2016 03:30 (EDT), -0.38 ft.

NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA
Wind Speed / Gusts / Direction

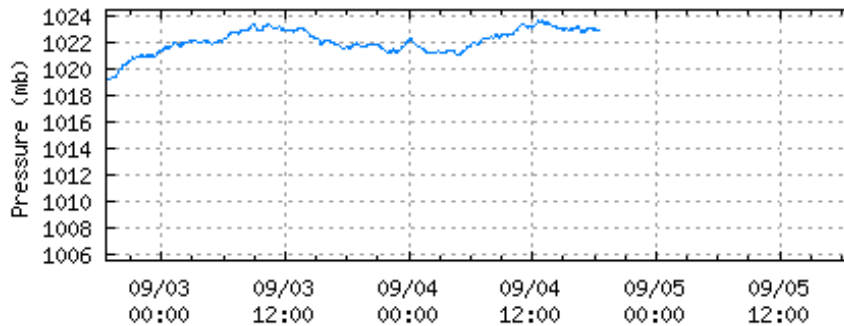


speed — gusts — direction +

Last Observed Sample: 09/04/2016 18:24 (EDT)

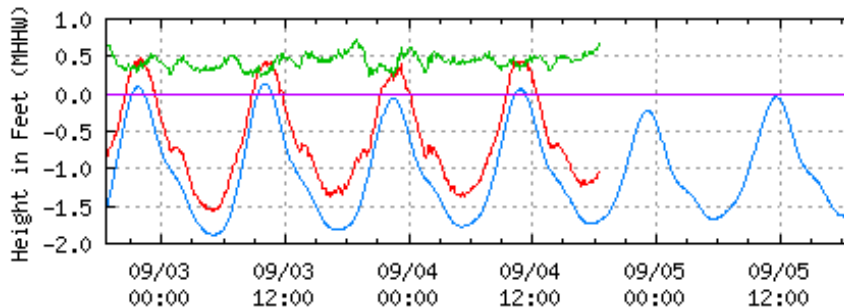
Wind Speed: 16 knots Gusts: 21 knots Direction: 39° T

NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/04/2016 18:24 (EDT)
Barometric Pressure: 1022.9 mb

NOAA/NOS/CO-OPS 8447930 Woods Hole, MA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

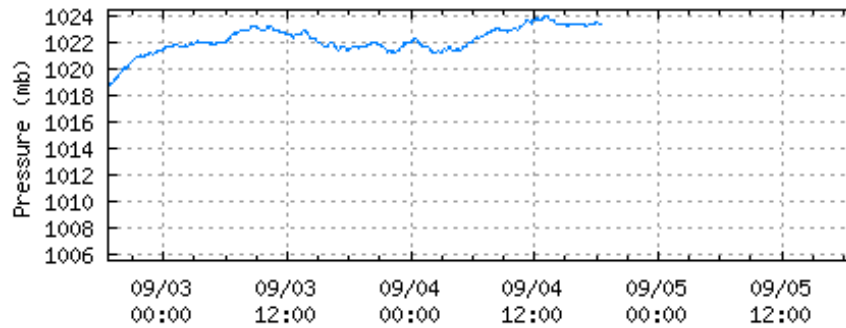
Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW

Observed: -1.03 ft. Predicted: -1.69 ft. Residual: 0.66 ft.

Historical Maximum Water Level: Sep 21 1938, 8.58 ft.

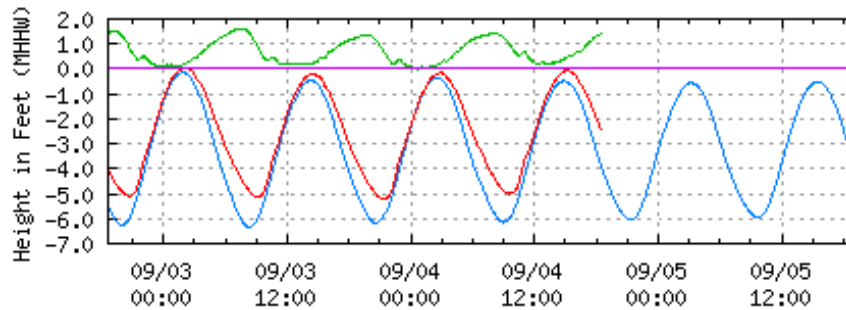
Next High Tide: 09/04/2016 23:12 (EDT), -0.23 ft.

NOAA/NOS/CO-OPS 8447930 Woods Hole, MA
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/04/2016 18:24 (EDT)
Barometric Pressure: 1023.5 mb

NOAA/NOS/CO-OPS 8447435 Chatham, MA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/04/2016 18:24 (EDT). Data relative to MHHW
Observed: -2.44 ft. Predicted: -3.85 ft. Residual: 1.41 ft.
Historical Maximum Water Level: Feb 26 2010, 2.96 ft.
Next High Tide: 09/05/2016 03:11 (EDT), -0.56 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8638863	Chesapeake Bay Bridge Tunnel, VA	09/04/2016 18:24 (EDT)	-0.45 ft	-2.25 ft	1.80 ft	2.50 ft
8632200	Kiptopeke, VA	09/04/2016 18:24 (EDT)	-0.94 ft	-2.45 ft	1.51 ft	2.02 ft
8577330	Solomons Island, MD	09/04/2016 18:24 (EDT)	1.41 ft	0.01 ft	1.40 ft	1.58 ft
8575512	Annapolis, MD	09/04/2016 18:24 (EDT)	1.10 ft	-0.15 ft	1.25 ft	1.18 ft
8570283	Ocean City Inlet, MD	09/04/2016 18:24 (EDT)	-0.24 ft	-1.56 ft	1.32 ft	1.39 ft
8557380	Lewes, DE	09/04/2016 18:24 (EDT)	-2.50 ft	-4.02 ft	1.52 ft	1.36 ft
8536110	Cape May, NJ	09/04/2016 18:30 (EDT)	-3.24 ft	-4.61 ft	1.37 ft	1.15 ft
8534720	Atlantic City, NJ	09/04/2016 18:24 (EDT)	-1.75 ft	-2.95 ft	1.20 ft	1.27 ft
8531680	Sandy Hook, NJ	09/04/2016 18:24 (EDT)	-2.66 ft	-3.78 ft	1.12 ft	0.91 ft
8510560	Montauk, NY	09/04/2016 18:24 (EDT)	-1.23 ft	-2.10 ft	0.87 ft	0.79 ft
8452660	Newport, RI	09/04/2016 18:30 (EDT)	-2.00 ft	-2.69 ft	0.69 ft	0.58 ft
8449130	Nantucket Island, MA	09/04/2016 18:24 (EDT)	-1.29 ft	-1.86 ft	0.57 ft	0.27 ft
8447930	Woods Hole, MA	09/04/2016 18:24 (EDT)	-1.03 ft	-1.69 ft	0.66 ft	0.44 ft
8447435	Chatham, MA	09/04/2016 18:24 (EDT)	-2.44 ft	-3.85 ft	1.41 ft	-0.05 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
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